

AMENDMENTS TO THE CLAIMS

1-27. (Canceled)

28. (Currently Amended) A refrigerating storage cabinet comprising:

a heat insulating housing;

a ~~refrigeration~~ refrigerating unit that includes a compressor, a condenser, an expanding mechanism, and an evaporator, said refrigerating unit having refrigerating performance conformable to a plurality of refrigerating specifications including a refrigerating specification for refrigeration and a refrigerating specification for freezing~~evaporator~~; and

a control unit having a data storage location, said control unit being configured to select one of said plurality of refrigerating specifications and to control operation of said refrigerating unit in accordance with the selected one of said plurality of refrigerating specifications~~location~~;

wherein the data storage location stores a plurality of refrigerating characteristics corresponding to said plurality of refrigerating specifications, each of said plurality of refrigerating characteristics being indicative of a time-varying change mode of dropping of a physical amount associated with respect to refrigeration, the physical amount including an internal temperature of said heat insulating housing; and

said control unit controls operation of said refrigerating unit ~~in each of a plurality of refrigerating specifications~~ so that the physical amount is reduced in accordance with one of the said plurality of refrigeration characteristics that corresponds to the selected one of said plurality of refrigerating specification~~characteristics~~.

29. (Canceled)

30. (Currently Amended) The refrigerating storage cabinet according to claim ~~28~~29, wherein said heat insulating housing further comprises:

a condensation-preventing heater with variable heating performance located about an

opening of said heat ~~insulating~~insulated housing; and

a switching device provided to switch the variable heating performance of the heater to correspond to the selected ~~appropriate~~ one of the plurality of refrigerating specifications.

31. (Currently Amended) The refrigerating storage cabinet according to claim 30, wherein said ~~refrigeration~~refrigerating unit is detachably connected to said heat insulating housing, and said refrigerating storage cabinet further comprising:

an identifying means configured to identify ~~a for identifying the~~ refrigerating specification ~~of for~~ said heat insulating housing said identifying means providing an identification signal indicative of the identified refrigerating specification; to which the refrigeration unit is detachably connected,

wherein said control unit determines ~~selects and executes~~ the ~~appropriate~~selected one of the plurality of refrigerating specifications based on ~~an~~ said identification signal from said identifying means.

32. (Currently Amended) The refrigerating storage cabinet according to claim 31, wherein said identifying means comprises:

a detecting portion provided on one of said ~~refrigeration~~refrigerating unit and said heat insulating housing; and

a detected portion provided on another one of ~~a~~ said heat insulating ~~insulated~~ housing and ~~a said refrigerating~~ refrigeration unit,

wherein said identification signal is determined based on an interaction between said detecting portion and ~~a~~ said detected portion ~~determines the identification signal.~~

33. (Currently Amended) The refrigerating storage cabinet according to claim 31, wherein said identifying means comprises:

a set internal temperature input section for ~~inputting~~ receiving a set internal temperature for said heat-insulating housing,

wherein said identifying means determines said identification signal ~~the appropriate one of the plurality of refrigerating specifications~~ based on the set internal temperature.

34. (Currently Amended) The refrigerating storage cabinet according to claim 31, wherein said identifying means comprises:

a signal recording section ~~provided with~~ arranged on said heat insulating housing for storing ~~an said identification signal for selecting the appropriate one of the plurality of refrigerating specifications;~~ and

a reading section ~~that reads the~~ capable of reading said identification signal ~~of from~~ said signal recording section and ~~communicates transmitting said~~ the identification signal to said control unit.

35. (Currently Amended) The refrigerating storage cabinet according to claim 31, wherein said heat insulating housing comprises:

an information recording section storing supplementary information; and

information conveying means for reading and ~~communicating transmitting~~ the supplementary information to said control unit,

wherein the supplementary information includes at least one of a size ~~of said heat insulating housing~~ and a heat invasion amount characteristic of said heat insulating housing ~~characteristic~~.

36. (Canceled)

37. (Currently Amended) The refrigerating storage cabinet according to claim 28, wherein:

said control unit controls operation of said refrigerating unit to perform ~~performs~~ a pull down cooling of said heat insulating housing when ~~an~~ the internal temperature of said heat insulating housing is higher than ~~an~~ a predetermined upper limit temperature until the internal

temperature drops to the predetermined upper limit temperature, wherein the predetermined upper limit temperature is set to be higher than a predetermined set internal temperature by a predetermined value;

said pull down cooling is performed in accordance with pull down cooling characteristics that are selected based on an internal condition of said heat insulating housing from at least one pull down cooling characteristic;

said control unit controls operation of said refrigerating unit to perform performs a control refrigeration of said heat insulating housing when the internal temperature of said heating insulating housing is at between the predetermined upper limit temperature until the internal temperature drops to and a predetermined lower limit temperature, so that the internal temperature of said heat insulating housing is maintained at around the set internal temperature after which the refrigerating unit is stopped, allowing the internal temperature to rise, on-off of said refrigerating unit being repeated during the control refrigeration by turning on said refrigerating unit when the internal temperature is at the predetermined upper limit temperature and by turning off said refrigerating unit when the internal temperature is at the predetermined lower limit temperature, wherein the predetermined lower limit temperature is below set to be lower than the set internal predetermined temperature by a predetermined value amount, and the control refrigeration is repeated, maintaining the internal temperature about the predetermined temperature;

said control refrigeration is performed in accordance with control refrigeration characteristics that is selected based on an internal condition of said heating insulating housing from at least one control refrigeration characteristic.

at least one of a plurality of pull down cooling characteristics and a plurality of control refrigeration characteristics are provided for controlling the refrigeration unit during the respective pull down cooling and control refrigeration;

an appropriate one of the at least one of the plurality of pull down cooling characteristics is selected based upon conditions of the refrigerating storage cabinet; and

an appropriate one of the at least one of the plurality of control refrigeration

~~characteristics is selected based upon the conditions of the refrigerating storage cabinet.~~

38. (Currently Amended) The refrigerating storage cabinet according to claim 28 further comprising:

a detecting portion provided on one of said heat ~~insulated~~ insulating housing and said refrigerating unit; and

a detecting portion provided on another one of a said heat ~~insulated~~ insulating housing and a said refrigerating unit.

39. (Currently Amended) The refrigerating storage cabinet according to claim 38, wherein said heat insulating housing comprises:

a condensation-preventing heater operable at a plurality of heating performance levels, said condensation-preventing heater being located about an opening of said heat insulating ~~insulated~~ housing; and

a switching device ~~provided to operate~~ configured to switch the condensation-preventing heater at ~~an appropriate one of~~ among the plurality of heating performance levels based upon ~~the~~ an interaction between the detecting portion and the detected portion.

40 (Canceled)